**The IB Studies final project (i.e. the Internal Assessment) is worth 20% of your final IB grade, and 20% of your Second semester grade.**

The first draft of the project is due by 2:30 p.m. in S7 on **January 17, 2014**.  These are the expectations for the first draft:

1. The project does NOT have a title page, but DOES have a title.
2. The project has an introduction which:
   * introduces the idea and your personal interest in it
   * gives a clear statement of the specific task (i.e. what you are interested in determining)
   * provides a clear description of the plan (i.e. what simple and sophisticated mathematical processes you will use to make that determination).
3. At least 100 data points have been collected with at least 3 numerical values and at least 1 categorical value for each data point.  This data should be systematically and neatly displayed in a table in an appendix.
4. The data comes from a reputable source that can be verified.  The reference for the source of the data is included in the bibliography, along with any other sources used to write the project.
5. The data has been displayed in relevant graphs to provide visual clues for an appropriate pattern analysis.
6. At least three simple processes have been completed with ALL work shown (additional iterations can be done using technology), which are relevant to making a determination about the specific task.  Some examples of simple processes include:
   * finding the mean, median, mode, range, and inter-quartile range in a set of data
   * estimating the strength of a positive/negative correlation from a scatter-plot
   * graphing a line of best fit onto a scatterplot by eye (through the mean point)
7. At least two sophisticated processes have been completed with ALL work shown (additional iterations can be done using technology), which are relevant to making a determination about the specific task.  Some examples of sophisticated processes include:
   * finding the value of r (Pearson’s product-moment correlation coefficient)
   * finding the equation of the line of best fit
   * performing a Chi-squared test (with Yates’ Continuity Correction for 2 x 2 cases)
8. The results of the simple and sophisticated processes have been discussed and put into context.
9. The project includes a discussion of the validity of your work which focuses on:
   * the quality of the data that you used
   * the legitimacy of the mathematical processes performed
   * the degree of confidence that one can have in your results
10. The project includes a conclusion which:
    * summarizes the results
    * suggests modifications for improvement
    * discusses the usefulness of your results and their implications in other areas